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		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO.	FILING DATE			8469
09/637,570	08/14/2000	Seiichi Kondo	NII-215	0407
•	590 02/19/2002		EXAMINER	
104 East Hume	Mattingly Stanger & Malur PC 104 East Hume Avenue Alexandria, VA 22301		NGUYEN, HA T	
Alexandria, V	A 22301		NGUYEN ART UNIT 2812	PAPER NUMBER
			2812	
			DATE MAILED: 02/19/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Apant(s)	
	09/637,670	LYON ET AL.	
Office Action Summary	Examiner	Art Unit	
	Ha T. Nguyen	2812	
The MAILING DATE of this communicatio	n appears on the cover sheet w	ith the correspondence add	ress
wind for Banly			
A SHORTENED STATUTORY PERIOD FOR R THE MAILING DATE OF THIS COMMUNICATI - Extensions of time may be available under the provisions of 37 C after SIX (6) MONTHS from the mailing date of this communicati - If the period for reply specified above is less than thirty (30) days - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by - Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b). **tatus**	OR. FR 1.136(a). In no event, however, may a on. , a reply within the statutory minimum of thi period will apply and will expire SIX (6) MO	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this con RANDONED (35 U.S.C. § 133).	nmunication.
1) Responsive to communication(s) filed o	n		
This action is FINAI 2b)	This action is non-final.		
3) Since this application is in condition for closed in accordance with the practice in	allowance except for formal m under <i>Ex parte Quayle</i> , 1935 C	atters, prosecution as to the C.D. 11, 453 O.G. 213.	e merits is
isposition of Claims			
4) Claim(s) 1-23 is/are pending in the appl	ication.		
4a) Of the above claim(s) is/are w	ithdrawn from consideration.		
5) Claim(s) is/are allowed.			
6)☐ Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) <u>1-23</u> are subject to restriction a	and/or election requirement.		
Application Papers			
The specification is objected to by the Ex	kaminer.		
to The drowing(s) filed on is/are: a)[☐ accepted or b)☐ objected to □	y the Examiner.	
	on to the drawing(s) be held in ab	eyance. See or or it has take	ner
11) The proposed drawing correction filed or	n is: a)∐ approved b)∟	_ disapproved by the Examin	101.
If approved, corrected drawings are require	ed in reply to this Office action.		
12)☐ The oath or declaration is objected to by	the Examiner.		
Priority under 35 U.S.C. §§ 119 and 120		o 0.440(=) (d) or (f)	
13) Acknowledgment is made of a claim fo	r foreign priority under 35 U.S.	C. 9 119(a)-(d) or (1).	
a)□ All b)□ Some * c)□ None of:			
1. Certified copies of the priority do	cuments have been received.	:- Aliection No	
2. Certified copies of the priority do	ocuments have been received	In Application No	al Stage
L L Office cotion	for a list of the certified copies	not received.	
* See the attached detailed Office action 14) Acknowledgment is made of a claim for	domestic priority under 35 U.S	S.C. § 119(e) (to a provision	al application).
مرسور والمراجع المراجع	ucac provisional application is	32 DECILICOCITO	
15)☐ Acknowledgment is made of a claim fo	r domestic priority under 35 U.	S.C. §§ 120 and/or 121.	
Attachment(s)	4) Inter	view Summary (PTO-413) Paper	No(s)
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PT 3) Information Disclosure Statement(s) (PTO-1449) Page 1	O-948) 5) Noti	ce of Informal Patent Application (PTO-152)
3) Tribunation of the American Confice		Pa	rt of Paper No. 3

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Election/Restriction

Restriction to one of the following inventions is required under 35 U.S.C. 121: 1.

Claims 1-21, drawn to a process of forming a semiconductor device, classified in I. class 438, subclass 692.

Claims 22-23, drawn to a device, classified in class 257, subclass 758+. II.

The inventions are distinct, each from the other because of the following reasons: 2.

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by a materially different process such as sequentially forming and patterning a first interconnect layer, depositing a first insulating layer on the first interconnect layer, etching back the first insulating layer until the first interconnect layer is exposed, forming and patterning a second interconnect layer on the first interconnect layer then depositing a second insulating layer on the second interconnect layer, etching back the second insulating layer until the second interconnect layer is exposed, repeating n times the steps of sequentially forming and patterning an interconnect layer, depositing an insulating layer on the interconnect layer, etching back the insulating layer until the lastly formed interconnect layer is exposed, wherein n is an integer number larger than 0.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classifications and separate examination would be required, restriction for examination purpose as indicated is proper.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ha Nguyen whose telephone number is (703)308-2706. The examiner can normally be reached on Monday-Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Niebling, can be reached on (703) 308-3325. The fax phone number for this Group is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Primary Examiner

Ha Nguyen

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